

Serial No.: 09/830,666  
Atty. Docket No.: P66606US0

IN THE ABSTRACT:

Applicants have provided herewith a replacement abstract on a separate sheet. The original abstract has been amended as follows:

--Abstract

~~This application concerns a~~ method to control an overactive bladder and to estimate bladder volume, comprising using an implanted sensor, ~~which sensor comprises~~ having at least one nerve electrode to sense electrical signals. ~~\_, means for stimulation of nerves to inhibit detrusor contraction, an electronic unit to detect~~ The method includes detecting events from nerve signals, generating and generate electrical pulses for stimulating nerves, and stimulating the nerves to inhibit detrusor contraction. Bladder volume may also be estimated based on the amplitude of the detected nerve signals and/or the time between two detected nerve signals from consecutive detrusor contractions. ~~The object of the invention is treatment of involuntary loss of urine (incontinence) due to involuntary detrusor contractions (detrusor overactivity). Another object of the invention is estimation of bladder volume. This finds particular application in patients who use aids to empty their bladder e.g. intermittent catheterisation or electrical stimulation.~~